

## PATENT COOPERATION TREATY



PCT

From the INTERNATIONAL BUREAU

To:

ASAMURA, Kiyoshi  
Room 331, New Ohtemachi Bldg.  
2-1, Ohtemachi 2-chome  
Chiyoda-ku, Tokyo 1000004  
Japan

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year) 16 July 2004 (16.07.2004)	
Applicant's or agent's file reference W1614-000000	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/JP2004/005364	International filing date (day/month/year) 15 April 2004 (15.04.2004)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 16 April 2003 (16.04.2003)
Applicant NIPPON KAYAKU KABUSHIKI KAISHA et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a **priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau** under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a **priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b)** (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
16 April 2003 (16.04.2003)	2003-111419	JP	08 July 2004 (08.07.2004)

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 338.70.10</p>	<p>Authorized officer Remedios Landicho (Fax 338 7010)</p> <p>Telephone No. (41-22) 338 9999</p>
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(TRANSLATION)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>W1614-000000</b>	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/JP2004/005364</b>	International Filing date ( <i>day/month/year</i> ) <b>15.04.2004</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>16.04.2003</b>
Applicant: <b>NIPPON KAYAKU KABUSHIKI KAISHA</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☐ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

- ☐ as suggested by the applicant
- ☐ as selected by this Authority, because the applicant failed to suggest a figure.
- ☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005364

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C09B31/20, 45/28, G02B5/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C09B31/20, 45/28, G02B5/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN), REGISTRY (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 60-63258 A (BASF AG.), 11 April, 1985 (11.04.85)	1-9
A	JP 50-50426 A (Hoechst AG.), 06 May, 1975 (06.05.75), Page 8; example 7	1-9
A	WO 01/06281 A1 (Nippon Kayaku Co., Ltd.), 25 January, 2001 (25.01.01)	1-9
A	CH 326553 A (CIBA AG.), 15 February, 1958 (15.02.58)	1-9



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

24 May, 2004 (24.05.04)

Date of mailing of the international search report

15 June, 2004 (15.06.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT/JP2004/005364

JP 60-63258 A 1985.04.11

DE 3324420 A  
EP 134471 A  
US 4667019 A  
DE 3463668 G

JP 50-50426 A 1975.05.06

BE 819139 A  
DE 2342513 A  
FR 2241543 A  
CS 7405829 A  
GB 1484732 A  
IT 1020094 B  
CA 1051422 A  
CH 616698 A

WO 01/06281 A1 2001.01.25

JP 2001-27708 A  
JP 2001-33627 A  
JP 2001-56412 A  
TW 440715 A  
EP 1203969 A1  
KR 2002021130 A  
CN 1360682 A

CH 326553 A 1958.02.15

(Family: none)

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/005364

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐

This report is based on translations from the original language into the following language \_\_\_\_\_ which is the language of a translation furnished for the purposes of:

☐

international search (under Rules 12.3 and 23.1(b))

☐

publication of the international application (under Rule 12.4)

☐

international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*.

☐

the international application as originally filed/furnished

☒

the description:

pages

1, 2, 4-6, 12-18, 22-27

as originally filed/furnished

pages\*

3, 7-11, 19-21

received by this Authority on

12.11.2004

pages\*

received by this Authority on

☒

the claims:

Nos.

2-9

as originally filed/furnished

Nos.\*

as amended (together with any statement) under Article 19

Nos.\*

1

received by this Authority on

12.11.2004

Nos.\*

received by this Authority on

☐

the drawings:

sheets/figs

as originally filed/furnished

sheets/figs\*

received by this Authority on

sheets/figs\*

received by this Authority on

☐

a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐

the description, pages

☐

the claims, Nos.

☐

the drawings, sheets/figs

☐

the sequence listing *(specify)*

☐

any table(s) related to sequence listing *(specify)*

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐

the description, pages

☐

the claims, Nos.

☐

the drawings, sheets/figs

☐

the sequence listing *(specify)*

☐

any table(s) related to sequence listing *(specify)*

\* If item 4 applies, some or all of those sheets may be marked "superseded".